

*Skripchenko, A.F.*

S/064/60/000/004/004/006  
B015/B060

AUTHORS: Novakovskiy, V. M., Prozorov, A. P., Sokolova, L. A.,  
Nusinov, Ya. Ye., Lapshina, E. F., Umnova, G. F.

TITLE: Corrosion of Pipes in Monohydrate and in the Drying Room Acid of the Production of Contact Sulfuric Acid

PERIODICAL: Khimicheskaya promyshlennost', 1960, No. 4, pp. 59-64

TEXT: The authors studied the corrosion of pipes made of steel of the types Cr-10 (St-10) and Cr-20 (St-20), cast iron of the type Cu-15-32 (Sch-15-32) and the stainless steel types X18H9T (Kh18N9T) and X18H12M2T (Kh18N12M2T) in monohydrate and in the drying room acid of the contact sulfuric acid production under industrial working conditions. The pilot plant is schematically shown in Fig. 1. The specimens were bushes with diameters of 20 mm, 38 mm, and 50 mm, and lengths between 180-250 mm. The corrosion rate of noncooled steel pipes rises linearly with the throughflow velocity and exponentially with the temperature rise of the acid, and is independent of the pipe diameter. The corrosion

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Corrosion of Pipes in Monohydrate and in the  
Drying Room Acid of the Production of Contact  
Sulfuric Acid

S/064/60/000/004/004/006  
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rate of cast iron pipes is independent of the throughflow velocity of the acid, but likewise rises exponentially with temperature. Cast iron proved to be more resistant to corrosion than steel of the St types. The latter, however, can be utilized (but not for monohydrate) if the throughflow velocity of the acid through the steel cooler is up to 0.5 m/sec, and the pipe wall is cooled down to 30-40°C. On an intensification of the efficiency of the cooler special attention must be paid to an increase in heat loss by means of the cooling water. Pipes made of the two abovementioned types of stainless steels are more resistant to corrosion in monohydrate than cast iron. Ye. V. Donat, K. N. Shabalina, V. G. Levich are mentioned in the paper. There are 11 figures and 8 Soviet references.

Card 2/2

NOVAKOVSKIY, V.M.; PROZOROV, A.P.; SOKOLOVA, L.A.; NUSINOV, Ya.Ye.  
LAPSHINA, E.F.; UMNOVA, G.F.

Corrosion of pipes in the monohydrate and in the desiccant  
acid employed in the contact manufacture of sulfuric acid.  
Khim.prom. no.4:323-328 Je '60. (MIRA 13:8)  
(Pipe--Corrosion) (Sulfuric acid)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7

PROZOROV, A. YE.

INTERVIEWED 1952

see ILC

*Medicine*

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7"

Sanitary and hygienic conditions in the newly mechanized process of the manufacture of red lead and litharge in the Mendeleev factory. M. G. SHKEDERMAN AND B. A. PROZOROV. Arb. Leningrad. Inst. Gospromhyg. u. Unfallverhütung 3, No. 4, 170-81(1931).

B. S. LEVINE

ASSISTANT METALLURGICAL LITERATURE CLASSIFICATION

FROM LIBRARY

KORNEYEV, Grigoriy Kuz'mich, kand.tekhn.nauk; KOROTOV, Mikhail Grigor'yevich,  
inzh.; MOTSOKHEYN, Iosif Savel'yevich, inzh.; ZHDANOV, Boris  
Vladimirovich, inzh. [deceased]; BURAGO, M.Ya., inzh., retsenzent;  
PROZOROV, B.I., inzh., red.; SIROTIN, A.I., inzh., red.izd-va;  
MODEL', B.P., tekhn.red.

[Passenger and freight elevators] Lifty passazhirskie i gruzovye.  
Moskva, Gos. nauchno-tekhn.izd-vo mashinostroit. lit-ry, 1958.  
(MIRA 12:2)  
567 p.

(Elevators)

Frolorov, D. D.

Frolorov, D. D. "On the systematic study and biology of the lumpfish (*Cyclopterus lumpus* L.) from Gridin Bay", Rabaty Mor. biol. stantsii Karelo-Fin. zem. un-ta, Issue 1, 1947  
(In column heading: 1948), p. 123-39, - Bibliog: 20 items.

SC: U-4392 19 August 53, (Leten'is 'Zhurnal 'nykh Statey, No. 21, 1949)

KUZOV, D.V., kandidat fizicheskikh nauk; POYARKOV, V.F., inzhener;  
PRASOV, S.I., inzhener.

On Professor S.T. Altumin's book "Stream bed regulation." Cidr.1  
mel. 9 no.7:61-62 Jl '57. (MLRA 10:8)  
(Rivers--Regulation)

TSVETIKOVA, N.F.; YEFREMOM, A.V., kand. tekhn. nauk, tv. red.; ARAL'YANTS,  
S.Kh., doktor tekhn. nauk, prof., red.; GOROSHKOV, I.I., kand. tekhn.  
nauk, red.; PROZGOROV, G.I., red.

[Technological conditions and norms in the designing of irrigation  
settling basins] Tekhnicheskie usloviia i normy po proektirovaniu  
irrigatsionnykh otsticinikov. Tashkent, Izd-vo "Nauka" UzSSR, 1964.  
66p. (Voprosy gidrotekhniki, no.19) (MIRA 18:5)

99-7-13/14

*PRZOROV G.I.*

SUBJECT: USSR/Bibliography (Literature)

AUTHOR: Kuskov, D.V., Candidate of Mechanical Sciences, Poyarkov, V.F.,  
Engineer, and Prozorov, G.I., Engineer.

TITLE: "About the Book of Professor S.T. Altunin 'Regulation of River  
Beds'" (O knige prof. S.T. Altunina "Regulirovaniye Rusel").

PERIODICAL: "Gidrotekhnika i Melioratsiya", 1957, # 7, pp 61-62 (USSR)

ABSTRACT: Professor Altunin's manual "Regulation of River Beds" is the  
first publication on this subject. The manual has 8 chapters,  
and deals with the following problems:

1. Conditions of river flow and the forming of channels.
2. Classification of Structures used in the regulation  
of river beds.
3. Planning and designing of regulating and protective  
structures.
4. Devising and regulating of river beds for water delive-  
ries with and without dams.
5. Measures for the control of flood waters.
6. Regulation of river branches (arms), cleaning of river  
beds (channels), and construction of cuts.

Card 1/2

99-7-13/1

TITLE: "About the Book of Professor S.T. Altunin 'Regulation of River Beds'" (O knige prof. S.T. Altunina "Regulirovaniye Rusel").

7. Flood control of down-stream sections of rivers, and at the mouths of large streams, as well as at upper pools of hydro-electric installations.

8. Rules of technical utilization of structures for the regulation of river beds.

Professor Altunin made use of experiences gained in foreign countries at river regulation work (Colorado, Mississippi etc). The manual contains also the latest methods of calculating resistant sections of self-forming river beds, which can be used for the calculation of upper and lower pools at hydroelectric stations. Of great interest for hydro engineers are the studies of the process of sedimentation at dams. Furthermore, the manual is of great value for persons concerned with irrigation projects, which call for large protective measures of river banks and extensive regulation work.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: At the Library of Congress

Card 2/2

PROZOROV, PROF. G.S.

Children - Management

How children's whims arise. Sem'ia i shkola. 7 no. 6 (1952)

9. Monthly List of Russian Accessions, Library of Congress, August 1952 /1971, Uncl.

PROZOROV, G., professor.

Adolescents. Rabotnitsa 34 no.7:21-22 J1 '56. (MIRA 9:9)  
(Adolescence)

PROZOROV, L.B., inzh.

Combined freezing and water drainage in building the Yakovlevo  
mining enterprise in the Kursk Magnetic Anomaly. Shakht.stori.  
no.8:11-17 Ag '59. (MIR 12:11)

1. Institut gornogo dela AN SSSR.  
(Kursk Province--Shaft sinking)  
(Mine drainage)

VOROPAYEV, F.; PROZOROV, I.

Let's make use of production potentialities. Muk.-elev.prom. 21  
no.10:30 O '55. (MLRA 9:1)

1.Mel'nitsa no.12 v Moskve.  
(Maykop--Fleur mills)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7

PROZOROV, L.B.

Model testing of the freezing of rocks. Osn., fund. i mekh.  
grun. 2 no.5:7-8 '60. (MIRA 13:9)  
(Rocks) (Soil freezing)

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7"

YERSHOV, N.N., kand.tekhn.nauk; PROZOROV, L.B., kand.tekhn.nauk

Increasing the effectiveness of rock freezing. Nauch. soob.  
(MIRA 16:7)  
IGD 17:8-16 '62.  
(Soil freezing)

PROZOROV, L.B., inzh.

Effective conditions for combined freezing and drainage in shaft  
sinking. Shakht. stroi. 4 no.12:6-9 D '60. (MIRA 13:12)

1. Institut gornogo dela AN SSSR.  
(Mine drainage)

PROZOROV, L. B.

"Modelling of Freezing of Rocks Under the Conditions of Under-ground Water Motion."

Report submitted for the Conference on Heat and Mass Transfer, Minsk,  
BSSR, June 1961.

PROZOROV, L.B.

Theoretical and experimental studies of the process of freezing  
rocks under conditions of flowing underground waters. Nauch.  
soob. IGD 12:94-106 '61. (MIRA 15:9)  
(Mine water) (Soil freezing)

LITVIN, A.Z., inzh.; PROZOROV, L.B., kand.tekhn.nauk

Zonal rock freezing in sinking a cage shaft at "Shurab" Mine  
No. 8. Shakht. stroi. 6 no.10:21-25 O '62. (MIRA 15:9)

1. Vsesoyuznyy trest po prokhodke shakht Glavtsentroshakhto-  
stroya Ministerstva stroitel'stva predpriyatiy ugol'noy  
promyshlennosti SSSR (for Litvin). 2. Institut gornogo dela  
imeni A.A.Skochinskogo (for Prozorov).  
(Shurab region--Soil freezing) (Shaft sinking)

NIKONOV, G.P., kand.tekhn.nauk; PROZOROV, L.B., gornyy inzh.

Scientific and technical conference on developing mineral deposits  
and mining in difficult hydrogeological and geological engineering  
conditions. Ugol' 33 no.3:45-47 Mr '58. (MIRA 11:3)  
(Mining engineering)

GAZIZOV, M.S., kand. geol.-miner. nauk; LEBEDYANSKAYA, Z.P., inzh.;  
UNKOVSKAYA, N.F., inzh.; KOSTENKO, V.I., inzh.; PROZOROV, L.B.,  
kand. tekhn.nauk; BESPALOV, P.M., inzh.; KRAVCHUK, S.V., inzh.;  
KRUPKIN, L.V., inzh.; KRUPKIN, L.V., inzh.; BEZPALOVA, S.I., inzh.;  
SHCHERBATENKO, A.P., inzh.; KOROTKOV, G.V., kand. geol.-mineral.  
nauk, retsenzent; VASIL'YEV, P.V., doktor geol.-mineral. nauk;  
retsenzent; SHEVYAKOV, L.D., akad., otv. red.; MAN'KOVSKIY, G.I., otv. red.;  
STOLYAROV, A.G., red. izd-va; GUSEVA, A.P., tekhn. red.; RYLINA, Yu.V., tekhn.  
red.

[Experience in lowering the water table in mineral deposits under  
complex hydrogeological conditions] Opyt vodoponizheniya na  
mestorozhdeniakh poleznykh iskopaemykh so slozhnymi gidrogeo-  
licheskimi usloviami. Meskva, Izd-vo Akad. nauk SSSR, 1963.  
(MIRA 16:5)  
411 p.

1. Akademiya nauk SSSR. Institut gornogo dela. 2. Chlen-  
korrespondent Akademii nauk SSSR zaveduyushchiy Laboratoriyyey  
spetsial'nykh sposobov prokhodki gornykh vyrabotok i vodoponi-  
zheniya Nauchno-issledovatel'skogo instituta Kurskoy magnitnoy  
anomalii (for Man'kovskiy).  
(Water, Underground) (Ore deposits)

DOLGOV, O.A., kand.tekhn.nauk; PROZOROV, L.B., kand.tekhn.nauk; PFENING, I.V.,  
inzh.

Compilation of predicted data on the condition of the ice and rock  
cylinder during the sinking of the shaft No.3 at the Second Soli-  
gorsk potash combine. Shakht.stroi. 8 no.3:18-20 Mr '64.

(MIRA 17:3)

1. Institut gornogo dela imeni A.A.Skochinskogo (for Dolgov, Pro-  
zorov). 2. Belorusskoye stroitel'noye shakhtoprokhodcheskoye uprav-  
leniye Vsesoyuznogo tresta po prokhodke shakht Glavtsentralshakhto-  
stroya Ministerstva stroitel'stva predpriyatiy ugol'noy promysh-  
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PROZOROV, L.B., kand. tekhn. nauk; BESSONOV, G.S., inzh.

Temperature measuring equipment used in shaft sinking by  
the freezing method. Shakht. stroi. 8 no.2:14-17 F '64.  
(MIRA 17:3)

1. Institut gornogo dela imeni A.A. Skochinskogo (for  
Prozorov). 2. Belorussskoye stroitel'noye shakhtoprokhod-  
cheskoye upravleniye tresta Shakhtspetsstroy (for Bessonov).

PROZOROV, L. B.

Cand Tech Sci - (diss) "Combination water decrease /vodoponi-zheniye/ involved in the freezing of mountain rock inssinking of mineshafts." Leningrad, 1961. 22 pp; with diagrams; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Orders of Lenin and Labor Red Banner Mining Inst imeni G. V. Plekhanov); 200 copies; price not given; (KL, 7-61 sup, 244)

PROZOROV, L.B., kand. tekhn. nauk; LI'TVIN, A.Z., inzh.

Stepned freezing of rock. Shakht. stroi & no.8:6-9 Ag '64. (MLA 17:9)

1. Institut gornogo dela imeni A.A. Skochinskogo (for Prozorov).
2. Trest Shakhtspetsstroy (for Litvin).

PROZOROV, L.E., kand. tehn. nauk.

Experimental investigation of the temperature conditions and  
heat transfer of freezing columns. Shakh. stroi. o no. 3:11-12  
Mr '65. (MIRA 18:7)

1. Institut gornogo dela imeni A.A. Skochinskogo.

PROZOROV, L.D.

Use of an examination system in the course on the economic  
geography of the U.S.S.R. Geog. v shkole 26 no.3:44-48  
My-Je '63. (MIRA 16:6)

1. 204-ya shkola Moskvy.  
(Geography, Economic—Study and teaching)

PROZOROV, L.D.

Mobile diagram. Geog. v shkole 26 no.4:55-56 Jl-Ag '63.  
(MIRA 17:1)

1. 204-ya shkola Moskvy.

PROZOROV, L.D.

Use of local material in teaching the course on economic geography  
of the U.S.S.R. Geog. v shkole 24 no.5: 58-62 S-O '61.  
(MIRA 14:8)

1. 204-ya shkola goroda Moskvy.  
(Geography, Economic--Study and teaching)

PROZOROV, L.D.

Tying in the teaching of economic geography with industrial training.  
Geog. v shkole 23 no.4:59-65 Jl-Ag '60. (MIRA 13:10)

1. 315-ya shkola Moskvy.  
(Moscow--Electric industries)  
(Economic geography--Study and teaching)

SAMOYLOV, Innokentiy Ivanovich; BIBIK, A.Ye., red.; PROZOROV, L.D.,  
red.; TARASOVA, V.V., tekhn.red.

[Methodology of teaching the economic geography of the U.S.S.R.]  
Metodika obuchenija ekonomicheskoi geografii SSSR. Moskva, Izd-vo  
Akad.pedagog.nauk RSFSR, 1960. 397 p.

(MIRA 13:12)

(Geography, Economic--Study and teaching)

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CIA-RDP86-00513R001343410008-7

PROZOROV, L.F., elektromonter

Automation of water emptying systems. Energetik 11 no.118  
13-14 N '63. (MTRA 16:11)

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CIA-RDP86-00513R001343410008-7"

PROZOROV, I.V.

Pressovanie stal'nykh profilei i trub [Pressing of steel profiles and pipes]. Moskva,  
Mashgiz, 1951. 123 p.

SO: Monthly List of Russian Accessions, Vol. 6, No. 2, May 1953

PROZOROV, L. V., BARZHOVSKIY, D. I., and TIKHOMIROV, N. V.

[Cand. Tech. Sci] [Engr.] [Cand. Tech. Sci]

"Technological Features of the Forging of Austenitic Steel"

Mashgiz 1954  
Translation 568487

PROZOROV, I. V.

PROZOROV, I. V. -- "The Flow of Metal During Pressing." Min. Higher Education USSR. Moscow Inst. of Nonferrous Metals and Gold imeni V. I. Kalinin. Moscow, 1955. (Dissertation for the Degree of Doctor in Technical Sciences)

SOURCE Knizhnaya Letopis', No 6 1956

## PHASE I BOOK EXPLOITATION

906

Prozorov, Leonid Vasil'yevich

Pressovaniye stali (Extrusion of Steel), Moscow, Mashgiz, 1956. 263 p.  
3,000 copies printed.

Reviewers: Unkov, Ye. P., Dr. of Technical Sciences, Prof., and Kulandin,  
Ya. I., Engineer; Ed.: Pasternak, N. A., Candidate of Technical Sciences;  
Tech. Ed.: Popova, S. M.; Managing Ed. for literature on heavy machine  
building (Mashgiz): Golovin, S. Ya., Engineer

PURPOSE: This book is intended for engineers and technicians whose work is concerned with the forming of metal by pressure. It can also be used by students specializing in extrusion.

COVERAGE: The author presents the elements of the theoretical analysis of metal flow and gives the results of experimental studies of the extrusion of steel. Recommendations are made regarding the manufacturing methods of extrusion, lubricants for extrusion, and tool and equipment design. There are 44 references, of which 36 are Soviet, 5 English, and 3 German.

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Extrusion of Steel 906

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AVAILABLE: Library of Congress

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GO/mas  
11-21-58

ZHOLOBOV, Viktor Vladimirovich; ZVEREV, Grigoriy Ivanovich; GUBKIN, S.I., prof.. doktor khim.nauk, retsenzent [deceased]; PROZOROV, L.V., doktor tekhn.nauk, retsenzent; ROZANOV, M.V., inzh., retsenzent; ZADOV, Ye.B., inzh., retsenzent; PERLIN, I.L., prof., doktor tekhn. nauk, red.; RZHEZNIKOV, V.S., red.; ARKHANGEL'SKAYA, M.S., red. izd-va; VAYNSTEYN, Ye.B., tekhn.red.

[Press forging of metals] Pressovanie metallov. Pod red. I.L. Perlina. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1959. 542 p. (MIRA 12:12)

1. Deystvitel'nyy chlen AN BSSR (for Gubkin).  
(Forging) (Drawing (Metalwork)) (Extrusion (Metalwork))

SOV/122-59-6-21/27

AUTHORS: Dobrinskiy, N.S. and Prozorov, L.V.

TITLE: Modern Trends in the Development of Forging Presses

PERIODICAL: Vestnik mashinostroyeniya, 1959, Nr 6, pp 73-80 (USSR)

ABSTRACT: Typical machine loading of forging presses includes 75% of drawing out and finishing operations. Easy control and automatic reciprocation of repeated strokes in finishing is essential. Even servo-control manual operation continuously repeated at the rate of 60-100 operations per minute is fatiguing to the operator. Attention has been given to an automatic quick withdrawal after reaching the required size. The reduced contact time between the cold ram and the hot metal is of special value in forging alloy steels. The speeding up of auxiliary operations (tool replacement and workpiece manipulation) is now being attempted. The layout of presses with the ram cylinders and tanks above the press makes high shop ceilings essential and precludes the use of overhead cranes. Novel layouts eliminate these limitations. Concerning the press power system, the current trend outside Russia favours pump and

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SOV/122-59-6-21/27

## Modern Trends in the Development of Forging Presses

accumulator systems or direct-pump systems, the latter in presses up to 2 000 tons. The view that direct-pump transmissions require excessive installed power is disputed. The power required in a 2 000-ton press for the operations of upsetting, drawing out and finishing is considered in conjunction with a three-cylinder design. The speed during the working stroke in upsetting would be 50 mm/sec and in drawing out 100 mm/sec. It is found that installed electric motor power can be half the hydraulic power owing to the short pump operation. The required power is found to be 740 HP, against 1 170 HP required in a pump-accumulator system, in accordance with existing standards. Variations in the cross-beam speed are achieved by installing groups of many pumps (up to 20). The normal pressure used is  $320 \text{ kg/cm}^2$ , obtained in eccentric piston pumps operating at 1 400 rpm. The pumps are housed alongside the press for maximum protection from dust. Presses with underfloor cylinders of foreign origin are mentioned (Lake Erie). Pump-accumulator systems are used above 3 000-ton capacity with 5-cylinder designs.

Card2/3

SOV/122-59-6-21/27

Modern Trends in the Development of Forging Presses

Powerful presses used for die-stamping as well as forging are made with two stages of fluid pressure, e.g. 200 and 320 kg/cm<sup>2</sup>. Hydraulic multipliers are also used in large presses (German "Sack" Press of 11 000 tons capacity has 12 amplification stages). Control systems based on distributor cam-shafts are discussed. The manipulation of the tool and the forging can be performed by wheeled manipulators of up to 5-ton capacity. The layout of several heavy presses of Non-Russian origin is discussed with illustrations. A detailed description of a "Lake Erie" 2 000-ton press is given. There are 8 figures and 7 references, 5 of which are Soviet, 3 English and 1 German.

Card 3/3

GOLUBYATNIKOV, N.K.; PROZOROV, L.V.

Ingot forging without passing by the billet stage. Euz.-  
shtam.proizv. l no.11:15-19 N '59. (MIRA 13:3)  
(Forging) (Steel ingots)

15760-65 EWT(m)/EWP(w)/EWA(d)/T/EWP(t)/EMP(k)/EWP(b) pf-4 ASD(m)-3  
MJW/JD/HW  
ACCESSION NR: AP4044134 5/0129/64/000/008/0016/0021

AUTHOR: Blanter, M. Ye.; Prozorov, L. V.; Lavrent'eva, L. P.;  
Serebrenikova, B. G.; Smirnov, Ye. I.; Revkov, V. D.

TITLE: Effect of thermomechanical treatment of steel by extrusion  
on mechanical properties / 6

SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 8,  
1964, 16-21, and insert facing p. 41

TOPIC TAGS: thermomechanical treatment, steel thermomechanical  
treatment, high temperature thermomechanical treatment, low tempera-  
ture thermomechanical treatment, ausforming, extrusion ausforming

ABSTRACT: Specimens of 40KhNMA steel (0.34% C, 0.72% Cr, 1.41% Ni  
and 0.25% Mo), 18 mm in diameter and 60 mm long, were subjected to  
high- and low-temperature thermomechanical treatments (HTTMT and  
LTTMT) by extrusion in order to determine the effect of HTTMT and  
LTTMT conditions on mechanical properties. The specimens were aus-  
tenitized at 950°C for 30 min, cooled to 850°C (HTTMT) or 550°C (LTTMT).

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L 15760-65  
ACCESSION NR: AP4044134

and extruded with reductions of 30-80%, or cooled to 850-300C and extruded with a reduction of 700%. All the extruded specimens were oil quenched immediately after extrusion. The extrusion was performed at a rate of 150 mm/sec in a 200-ton hydraulic press at a specific pressure of 9.1-11.0 tons/cm<sup>2</sup> at 850C and 24.0 tons/cm<sup>2</sup> at 550C. The best combination of mechanical properties was produced by extrusion at 850 or 550C with a reduction of 50--60% followed by oil quenching and tempering at 100C. Specimens extruded at 850C with a reduction of 80% had a tensile strength of 215 kg/mm<sup>2</sup>, yield strength of 170 kg/mm<sup>2</sup>, elongation of 11.5%, reduction of area of 52.0%, and notch toughness of 6.5 mkg/cm<sup>2</sup>. Corresponding values for specimens extruded at 550C were 238 kg/mm<sup>2</sup>, 185 kg/mm<sup>2</sup>, 10.8%, 42.0%, and 8.1 mkg/cm<sup>2</sup>, and for conventionally heat treated specimens, 200 kg/mm<sup>2</sup>, 160 kg/mm<sup>2</sup>, 9%, 30%, and 5.3 mkg/cm<sup>2</sup>. The best strength characteristics were attained with extrusion at 550-850C and the best ductility over 30% was accompanied by an increase in ductility of reductions drop. High reductions at 850C produced a recrystallization without strength drop. Orig. art. has: 6 figures.

Card 2 / 3

L-15760-65  
ACCESSION NR: AP4044134

2

ASSOCIATION: Vsesoyuznyy zaochnyy mashinostroitel'nyy Institut  
(All-Union Machine-Building Correspondence Institute); TeNIITMASH

SUBMITTED: 00

ENCL: 00

SUB CODE: MM, IE

NO REF SOV: 000

OTHER: 001

Card 3/3

L 44132-66 EWT(m)/SMP(t)/ETI/EWP(k) IJP(c) JD/HM

ACC NR: AP6012607

SOURCE CODE: UR/0182/66/000/004/0007/0010

AUTHOR: Prozorov, L. V.; Pishchulin, N. I.; Savkin, V. A.; Beskrovnyy, G. G.

58  
B

ORG: none

TITLE: Increase in the temperature of forgings during the hot extrusion of certain alloys

16 16

SOURCE: Kuznechno-shtampovochnoye proizvodstvo, no. 4, 1965, 7-10

TOPIC TAGS: automatic recording potentiometer, metal extrusion, hot die forging, temperature dependence, metal deformation / 10 steel, Kh15Ni10S3B (EP302) steel, EP150 steel, EI607 (KhN80TBYuO) steel, PSI-08 automatic recording potentiometer

26 10

ABSTRACT: The article presents the findings on the increase in the temperature of the direct-extruded rods of the steels 10, Kh15Ni10S3B (EP302), EP150 and EI607 (KhN80TBYuO) at various temperatures and degrees of deformation. The extrusion was carried out with press tools heated to 250-300°C, in 200-ton hydraulic press, on varying the degree of deformation by using die holes of various diameters. The temperature of the rod was measured immediately on emergence from the die with the aid of a special setup (Fig. 1): the emerging hot rod falls via a funnel into a container with water which is equipped with six chromel-alumel

UDC: 621.777

Card 1/3

L 44352-56

ACC NR: AP6012607

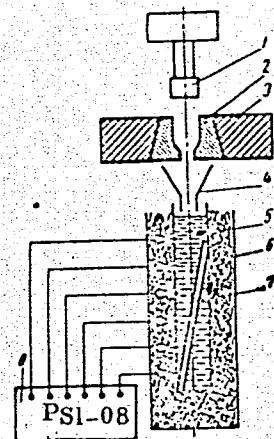


Fig. 1. Diagram of experimental setup for measuring the temperature of the forging

1 - punch; 2 - die; 3 - bolster; 4 - funnel; 5 - container with water; 6 - heat insulation; 7 - forging; 8 - recording device with thermocouples

Card 2/3

I. 44352-66  
ACC NR: AP6012607

thermocouples arrayed in a spiral over the height of the container. The rise in the temperature of the water is recorded by these thermocouples and automatically registered at 2-sec intervals by an PSI-08 automatic recording potentiometer. Blanks heated to various temperatures: 900, 1000, 1100 and 1200°C were deformed to various degrees (80, 69.7, 57.6, 43.5%), The thermal effect (increase in temperature) was determined each time by calibration in the container with water, i. e. by heating other, already extruded rods, to the same temperatures and placing them in the container with water and measuring the resulting rise in water temperature. The maximum increase in temperature was observed for blanks heated to 900°C and deformed 80%, i.e. for the lowest of the temperatures investigated and the highest of the degrees of deformation investigated; in this case the temperature of the emergent rod was higher by as much as 150–210°C. Thus, it is established that the thermal effect decreases with increasing temperature of the blank prior to its extrusion and increases with increasing degree of deformation of the blank. Orig. art. has: 8 figures, 1 table.

SUB CODE: 11, 13 / SUBM DATE: none/ ORIG REF: 001/ OTH REF: 003/

14  
Card 3/3 b1g

BLANTER, M.Ye.; PROZOROV, L.V.; LEVRENT'YEVA, L.P.; SEREBREN'KOVA, B.G.;  
SMIRNOV, Ye.I.; REVTOV, V.O.

Effect of thermomechanical treatment with the use of extrusion  
on the mechanical properties of steel. Metalloved. i term.  
obr. met. no.8;16-21 Ag '64. (MIRA 17:1C)

1. Vsesoyuznyy zaochnyy mashinostroitel'nyy institut i  
TSentral'nyy nauchno-issledovatel'skiy institut tekhnologii  
i mashinostroyeniya.

GOLOSOVSKIY, I.S.; PROZOROV, L.V.

Effectiveness in the use of forging manipulators. Kuz.-shtam.  
proizv. 4 no.9:39-40 S '62. (MIRA 15:9)  
(Forge shops—Equipment and supplies)

S/654, 61, 000/001/002/007  
I007/I?42

AUTHORS: Prozorov, L.V., Chernyy, Yu. F.

TITLE: Pressing of low-plasticity alloys

SOURCE: Kramatorsk. Neuchno-issledovatel'skiy i proyektno-technologicheskiy institut mashinostroyeniya. Konstruirovaniye i technologiya mashinostroyeniya. no. 1, Moscow, 208-211 .

TEXT: Investigations have been carried out in order to eliminate considerable localisation or nonuniform plastic deformation during pressing, and to reduce as far as possible the appearance and action of tensile stresses. It is shown that the nature of plastic deformation of the surface layer of low-plasticity alloy components is as a rule the decisive criterion in the

Card 1/2

S/654/61/000/001/002/007  
I007/I242

Pressing of low-plasticity alloys

selection of proper pressing technology. Thus, new pressing techniques for low-plasticity alloys require a new theory of deformation in the surface layers of blanks and ingots, and a new technique of pressing alloys covered with thin high-plasticity metal coatings.

Card 2/2

PROZOROV, L.V., doktor tekhn.nauk; CHERNYY, Yu.F., kand.tekhn.nauk

Pressing low-plasticity alloys. Konstr.i tekhn.mash. no.1:208-  
211 :61.

(MIRA 15:2)

(Forging)

S/123/61/000/003/008/023  
A004/A104

AUTHOR: Prozorov, L. V.

TITLE: Hardening of nonmagnetic bandage rings of electric generators by the stretching method

PERIODICAL: Referativnyy zhurnal, Mashinostroyeniye, no. 3, 1961, 70, abstract 3B658 (v sb. "Nekotoryye vopr. tekhnol. tyazh. mashinostr." Ch.I.M. Mashgiz, 1960, 256-266)

TEXT: The author describes a method developed by TsNIITMASH for the hardening of electric generator bandage rings of austenitic chrome-nickel-manganese steel by way of stretching with the aid of a special wedge fixture. The ring-shaped blank is put on the rotary support plate of the fixture mounted on the press. A pyramid with movable wedges (sections) fixed to it is placed in the internal orifice of the blank. In their lower position the sections form a split ring with an external diameter somewhat smaller than the inner blank diameter prior to cold hardening. When the press ram is pressing on the pyramid, moving it downwards, the sections of the split ring, sliding along the support plate and the pyramid, are expanding in radial direction from the pyramid axis and are

Card 1/2

Hardening of nonmagnetic bandage rings ...

S/123/61/000/003/008/023  
A004/A104

stretching the blank. It is recommended to expand the blank up to the dimension near the final one in 8-10 stages. The final calibration of the blank can be effected in 4 stretching operations with small expansion stages. Such a cold-hardening method ensures a more favorable distribution of mechanical properties over the wall cross section of the bandage ring in conformity with its operation in the generator. The residual internal stresses in blanks cold-hardened by stretching do not exceed  $5 \text{ kg/mm}^2$ . There are 5 figures.

N. Il'ina

[Abstractor's note: Complete translation]

Card 2/2

PROZOROV, Mikhail Ivanovich, starshiy nauchnyy sotrudnik; BANNIKOV, P.,  
red.; GORENSHTEYN, G., tekhn.red.

[New methods of using fertilizers] Novye priemy primenenia  
udobrenii. Penzenskoe knizhnoe izd-vo, 1955. 33 p. (MIRA 12:11)

1. Penzenskaya oblastnaya optytnaya stantsiya (for Prozorov).  
(Fertilizers and manures)

PROZOROV, N.; OKOROKOV, G., traktorist

Improving farm machinery and equipment. Sov.profsoiuzy 7  
no.23:26-27 D '59. (MIRA 12:12)

1. Glavnnyy inzhener-mekhanik sovkhoza "Shchugarovo, "Moskovskoy  
oblasti (for Prozorov). 2. Sovkhoz "Shchugarovo," Moskovskoy  
oblasti (for Okorokov).  
(Agricultural machinery)

PROZOROV, N.; STUDENSKAYA, A.

Kostroma's radio amateurs help in installing radios in villages.  
Radio no. 2:6 F '54. (MLRA 7:2)  
(Kostroma--Radio clubs) (Radio clubs--Kostroma)

PROZOROV, N.; STUDENSKAYA, A.

Kostroma's radio amateurs help in installing radios in villages.  
Radio no.2:6 F '54.

(MLRA 7:2)

(Kostroma--Radio clubs) (Radio clubs--Kostroma)

USSR/Soil Science - Organic Fertilizers.

J

Abs Jour : Ref Zhur Biol., No 19, 1958, 86811  
Author : Prozorov, N.I.  
Inst : Penza Experimental Station  
Title : Effectiveness of Organic Mineral Fertilizers in Penzanskaya Oblast.  
Orig Pub : S. kh. Povolzh'ya, 1957, No 6, 20-23  
  
Abstract : The authors cite the findings of experiments of the Penza experimental Station in 1954-1956 with winter and spring wheat, millet and winter rye and of experiments of the Kuznetskaya Station and oblast collective farms, in reaching the conclusion that organic mineral mixtures are highly effective. --

Card 1/1

- 48 -

PROZOROV, Nikolay Konstantinovich; KABANOVSKIY, I.I., red.; ROGAL'SKAYA,  
L.I., red.; DORODNOVA, L.A., tekhn.red.

[Equipment for the study room of railroad vocational schools for  
the training of assistant locomotive engineers and diesel locomotive  
mechanics] Oborudovanie uchebnogo kabineta v zhelezodorozhnykh  
uchilishchakh dlja podgotovki pomoshchnikov mashinistov i slesarej  
po remontu teplovozov. Moskva, Vses.uchebno-pedagog.izd-vo Prof-  
tekhizdat, 1960. 94 p. (MIRA 14:2)

(Railroads--Employees--Education and training)

PROZOROV, N.L.

Economic efficiency of using extra-widelug-type tires on the  
ZIL-150 motortrucks. Avt.prom. 27 no.8:26-27 Ag '61.  
(MIRA 14:10)

1. Nauchno-issledovatel'skiy avtomobil'nyy i avtomotornyy institut.  
(Motortrucks--Tires)

PROZOROV, N.Ya.

Gluing pulley belts of band saw apparatus. Der.prem.5 no.6:22  
Je '56. (MIRA 9:9)

1.Zaved "Kirovskiy metallist".  
(Band saws)

Collective farms  
Soviet Union—the organization of much of the collective farm. Nekrasov. 12  
No. 3, 1954.

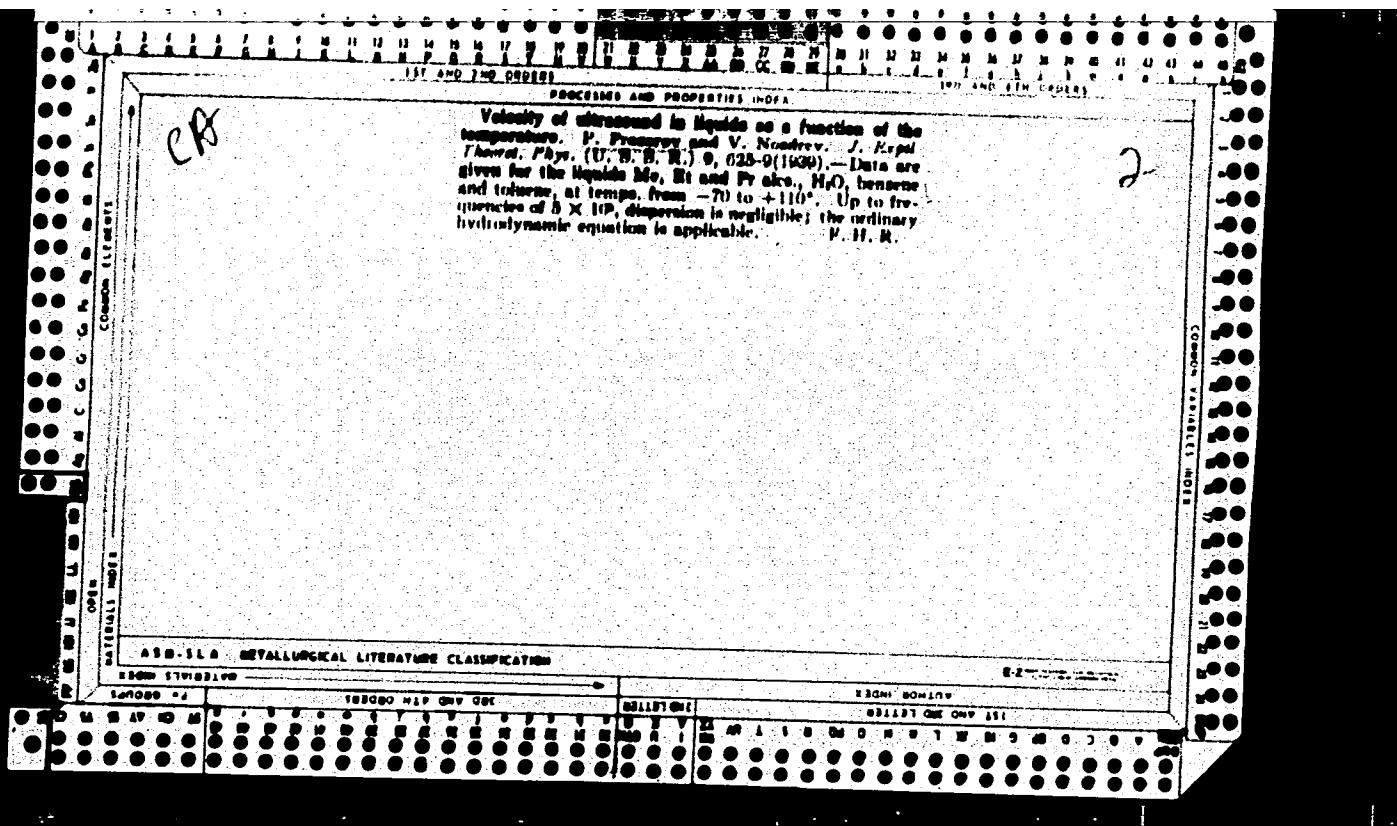
9. Monthly List of Russian Accessions, Library of Congress, 1953, Uncl.  
2

SOBOLEVA, N. S.; PROZOROV, V. A.; PARIYSKIY, Yu. N.

Distribution of polarized and nonpolarized radio emission in  
the Crab nebula. Astron. zhur. 40 no.1:3-11 J-F '63.  
(MIRA 16:1)

1. Glavnaya astronomiceskaya observatoriya AN SSSR.

(Radio astronomy) (Nebulae)

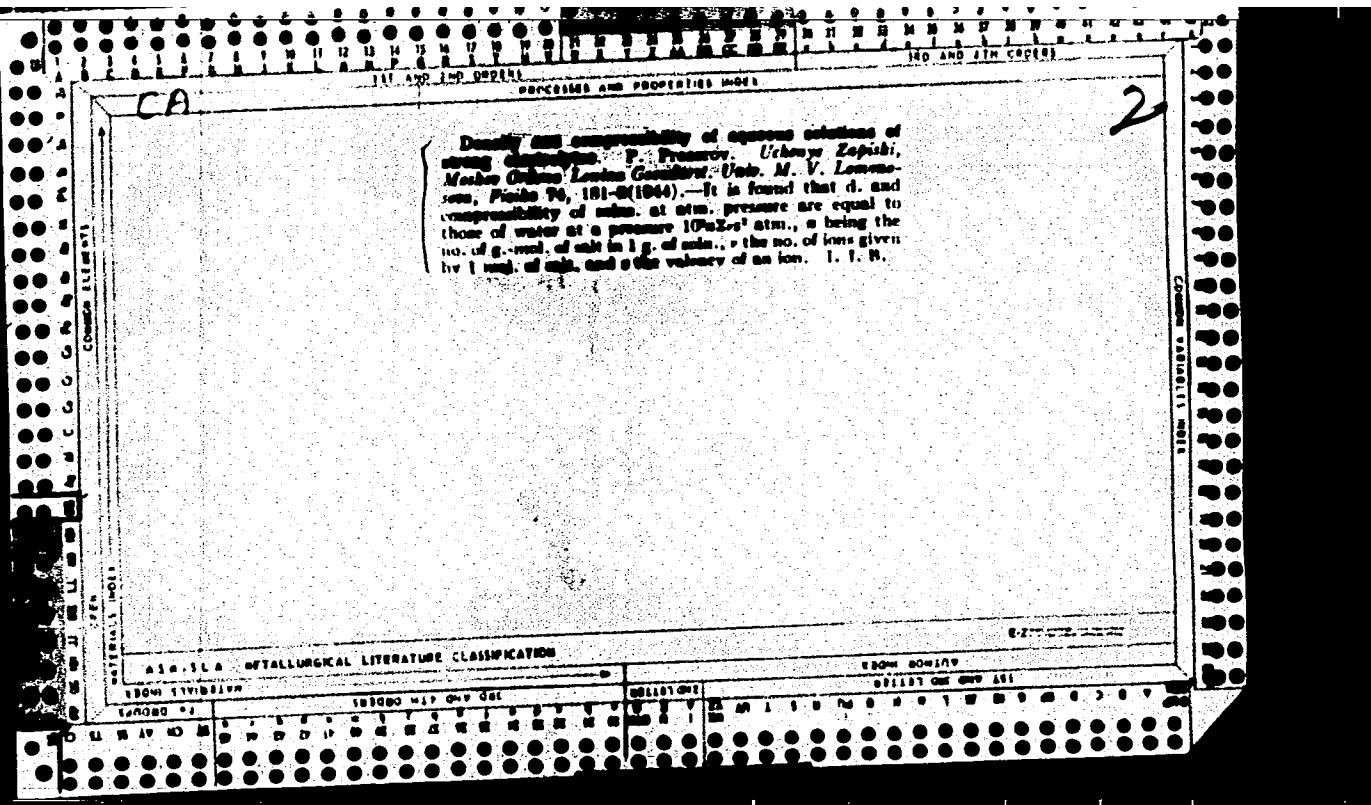


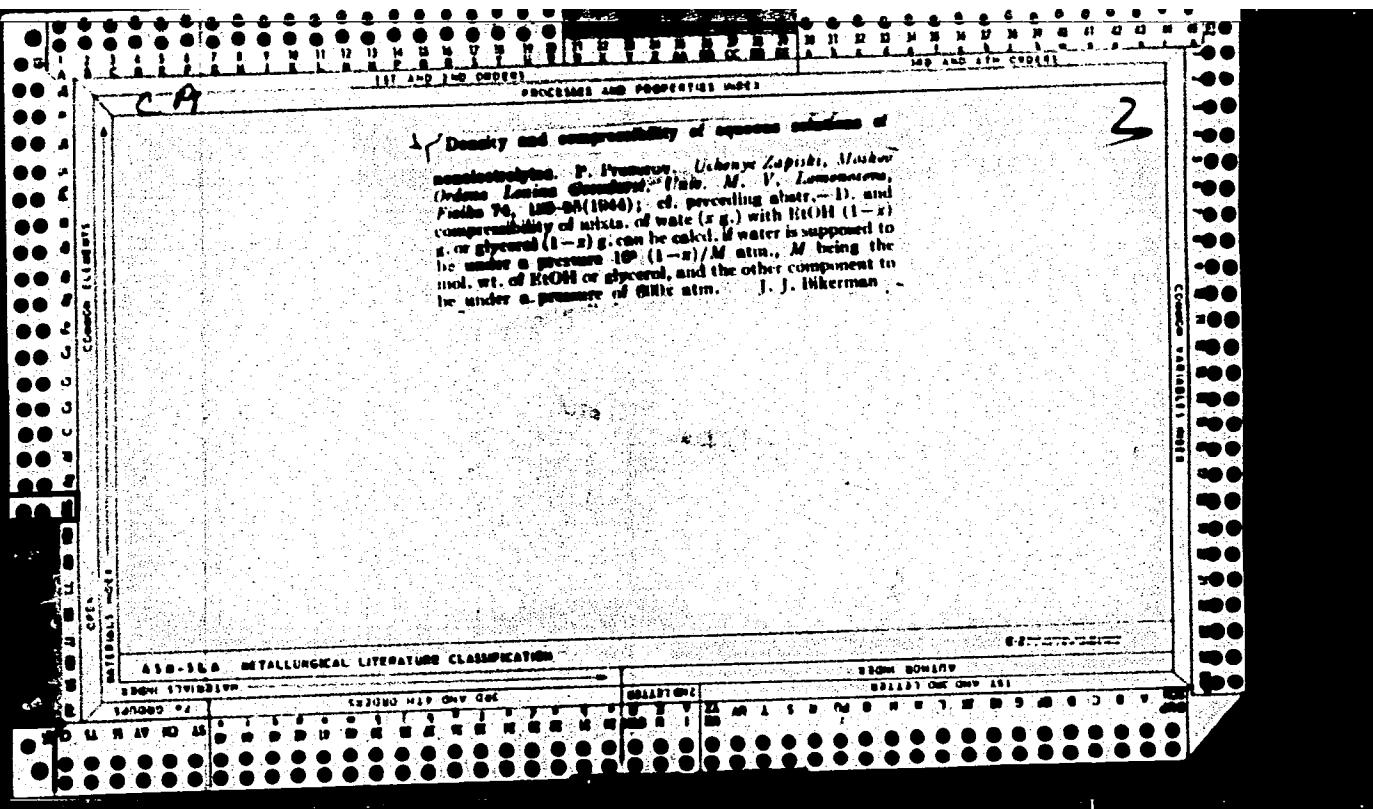
1ST AND 2ND ORDERS												3RD AND 4TH ORDERS																																															
PROPERTIES AND PROPERTIES INDEX																																																											
<p><i>S</i></p> <p>Compressibility of aqueous solutions of strong acids.      1950. P. PONOMAROV. <i>J. Phys. Chem.</i> (U. S. S. R.) 14,      206-210 (1940).—The velocity <math>v</math> of sound in saline, is measured by means of a seismographic interferometer and a frequency of <math>5 \times 10^9</math> cycles per sec., <math>v</math> increases linearly with the concn. <math>c</math> (mol. per l.) of salt up to max.; <math>\text{Na}_2\text{SO}_4</math> shows the steepest and <math>\text{KBr}</math> the slowest rise. From <math>v</math> the compressibility <math>\beta</math> (<math>\text{in } 10^{-4} \text{ atm.}^{-1}</math>) is calculated. It is <math>\beta = \beta_0 - \alpha + \delta \sqrt{c}</math>, and the coeffs. <math>\alpha</math> and <math>\delta</math> at 10-24° are: <math>\text{NaCl}</math> and <math>\text{NaNO}_3</math> 7.04 and 1.41; <math>\text{KCl}</math> and <math>\text{KBr}</math> 6.21 and 1.28; <math>\text{KNO}_3</math> 0.65 and 1.43; <math>\text{MgSO}_4</math> 16.2 and 4.7; <math>\text{ZnNO}_3</math> 16.0 and 4.8; <math>\text{CuSO}_4</math> 14.1 and 4.3; <math>\text{CdSO}_4</math> 12.6 and 3.1; <math>\text{Na}_2\text{SO}_4</math> 10.86 and 4.8; <math>\text{Na}_2\text{SiO}_4</math> 21.1 and 9.7; <math>\text{K}_2\text{SO}_4</math> 20.5 and 9.8. The form of the equation and the increase of the coeff. with the valence of ions agree with Debye's theory but the numerical values of the coeff. are much greater than the theory predicts. The <math>\beta</math> value for concentrated <math>\text{NaCl}</math> and <math>\text{KNO}_3</math> is almost independent of temp. between 20° and 70°. Compressibility of aqueous solutions of acids and organic liquids. <i>Ibid.</i> 301-401.—The velocity of sound <math>v</math> as a function of concn. has a max. for 0.3 M <math>\text{H}_2\text{SO}_4</math>, 0.5 M <math>\text{HNO}_3</math>, about 2 M <math>\text{HCl}</math>, 5.2 M <math>\text{AcOH}</math>, and for 25-30 wt.-% <math>\text{EtOH}</math>, <math>\text{COMe}</math> and <math>\text{MeOH}</math> in 70-85% of <math>\text{H}_2\text{O}</math>; the resp. max. values are 1800, 1800, about 1550, 1800, 1840, 1800 and 1800 m. per sec. at 22-23°. The equation <math>\beta = \beta_0 - \alpha + \delta \sqrt{c}</math> is less exact for acids than for salts. <math>\text{H}_2\text{SO}_4</math> has <math>\alpha = 4.76</math> and <math>\delta = 0.04</math> between 3 M and 9 M, and <math>\alpha = 4.88</math> and <math>\delta = 0.078</math> above 9 M; <math>\text{HNO}_3</math> has 3.81 and 0.033 above 8 M; <math>\text{HCl}</math> has 5.2 and 1.75; <math>\text{AcOH}</math> has 2.75 and 0.79 below 8 M and 3.2 and 1.01 above it. The <math>v</math> of <math>\text{H}_2\text{O}</math> increases, and that of <math>\text{EtOH}</math> decreases, with rise of temp.; the <math>v</math> of about 10% <math>\text{EtOH}</math> is independent of temp. The <math>\beta</math> of the <math>\text{EtOH}</math> concn., of which <math>v</math> is a max., is higher at 0° than at 70°. For <math>\text{EtOH}</math>, <math>\text{COMe}</math>, and <math>\text{MeOH}</math> max. <math>\beta = \beta_0 - \alpha + \delta c^{\frac{1}{2}}</math>, where <math>c</math> is concn. in mol. per kg. of soln. <math>\beta</math> passes through a min., for which no explanation is offered.</p> <p style="text-align: right;">R. C. P. A.</p>																																																											
<p>Lab. of Molecular Thermic Phenomena, Sci.-Res. Inst. Physics,      Moscow State U.</p>																																																											
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A-1

(C) C

Comparability of aqueous solutions of acids and oxoacids  
Bogoliubov, V. I., *Zh. Fiz. Khim.*, 1960, 16, 391—  
400; cf. preceding abstract).—The velocity of sound  $v$  as a  
function of concn. has a max. for 0.38-H<sub>2</sub>SO<sub>4</sub>, 0.6-n-HNO<sub>3</sub>,  
~2m-HCl, 5.8m-AcOH, and for 25—50 wt.-% of EtOH,  
COMe<sub>2</sub>, and MeOH in 90—70% of H<sub>2</sub>O; the respective max.  
vals. are 1580, 1450, ~1530, 1450, 1640, 1600, and 1550 cm.  
per sec. at 22—37°. The equation  $\beta = \beta_0 - \alpha\varepsilon + \delta\varepsilon^2/2$  is less  
exact for acids than for salts. H<sub>2</sub>SO<sub>4</sub> has  $\alpha \sim 4.75$  and  $\delta \sim$   
0.94 between 2m. and 5m., and  $\alpha \sim 4.05$  and  $\delta \sim 0.875$  above  
5m.; HNO<sub>3</sub> has 3.98 and 0.856 above 2m.; HCl has 5.2 and  
1.75; AcOH has 3.75 and 0.78 below 2m., and 3.2 and 1.01  
above it. The  $v$  of H<sub>2</sub>O increases, and that of EtOH decreases,  
with rise of temp.; the  $v$  of ~10% EtOH is independent of  
temp. The [EtOH] at which  $v$  is a max. is higher at 0°  
than at 70°. For EtOH, COMe<sub>2</sub>, and MeOH solutions  
 $\beta = \beta_0 - \alpha\varepsilon + \delta\varepsilon^2$ , where  $\varepsilon$  is concn. in mole per kg. of solu-  
tion.  $\beta$  passes through a min., for which no explanation is  
offered. J. J. B.





PROZOROV, Petr Alekseyevich, dvazhdy Geroy Sotsialisticheskogo Truda;  
PANIN, N.S., red.; PONOMAREV, A.A., tekhn. red.

[Northern beacon] Severnyi maiak. Moskva, Izd-vo ekon. lit-ry,  
1962. 156 p. (MIRA 15:4)

1. Predsedatel' kolkhoza "Krasnyy Oktyabr'" Kirovskoy oblasti  
(for Prozorov).  
(Kirov Province--Collective farms)  
(Socialist competition)

PROZOROV, Petr Alekseyevich, dvazhdy Geroj Sotsialisticheskogo Truda;  
POLYAKOVA, N., red.; MUKHIN, Yu., tekhn. red.

[Collective farms and communism] Kolkhoz i kommunizm; literaturnaia  
zapis' I.A.TSikoto. Moskva, Gos.izd-vo polit.lit-ry, 1960. 94 p.  
(MIRA 14:6)

1. Predsedatel' kolkhoza "Krasnyy Oktyabr'", Kirovskoy oblasti (for  
Prozorov)

(Collective farms)

PROZOROV, Petr Aleksandrovich, dvazhdy Geroy Sotsialisticheskogo Truda

We shall live as in the city. Sel'stroi. 14 no.5:3-4 My '59.  
(MIRA 12:8)

1. Predsedatel' kolkhoza "Krasnyy Oktyabr", Kumenskogo rayona,  
Kirovskoy oblasti.  
(Kumensky District--Farm buildings)

PROZOROV, Petr Alekseyevich [1899- ], Geroy Sotsialist. Truda;  
DMITRIYeva, L.A., red.; PONOMAREVA, A.M., tekhn.red.

[Yesterday and today in a Vyatka village] Vchera i segodnia Viatskoi  
derevni. Moskva, Izd-vo "Sovetskaia Rossiia," 1958. 70 p.

(MIRA 11:12)

1. Deputat rayonnogo i oblastnogo Sovetov; deputat Verkhovnogo  
Soveta RSFSR; chlen obkomu Kommunisticheskoy Partii Sovetskogo  
Soyusa; rukovoditel' kolkhoza "Krasnyy Oktyabr'" (for Prozorov).  
(Collective farms)

"APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7

U.S. Foreign, Economic, Defense (West German) Min. Zapis<sup>1</sup>.  
U.S. Foreign, Econ., Def. Min. 1954, Vol. III. 1. 1954-1955

338.1k (47.84)

CC: KGBUSA, Boston, Vol. I, 1955

APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001343410008-7"

PROZDROW, P.A.

Kolkhozy v bor'be za krutoi pod'em  
sel'skogo khoziaistva (Collective farms in the fight for  
a rapid improvement in agriculture). Moskva, Sel'khoz-  
giz, 1951. 371 p.

SD: Monthly List of Russian Accessions, Vol. 7, No. 5, August 1954

PROZOROV, VYTR ALEKSEYEVICH

N/5  
722.101  
.P96

30 [ ] I. E. Tridtsat [ ] Let Kolkhoza "Krasnyy Oktyabr" [ ] 30 years of the  
collective farm "Red October" [ ] Moskva, Sel'khozgiz, 1955. 279 P. Illus.,  
Maps., Tables. At Head of title: Peredovoy Okty V Sel'skom Khoyyaystve.

SIDAK, Rostislav Nikitovich; VASIL'YEV, Ivan Vasil'yevich; PROZOROV,  
S.I., red.; SEVRYUKOV, P.A., tekhn. red.

[Mechanized harvesting of peas and vetch; from the experience  
of the L'gov Experimental Plant-Breeding Station] Mekhanizatsiia  
uborki gorokha i viki; iz opyta L'govskoy op.tno-seleksionnoi  
stantsii. Kursk, Kurskoe knizhnoe izd-vo, 1961. 34 p.  
(MIRA 15:7)

(Peas--Harvesting) (Vetch--Harvesting)

PRUDENOV, S. S.

21907 Prudenov, S. S.

Shelkopyrao -monashchka porthetria monacha L. v sosnuykh lesakh Zapadnoy  
Sibiri. Trudy Sib. lesotekhn. in-ta, sb.5, vyp. 4, 1949, s. 19-42 -  
Bibliogs: 37 nazv.

SC: Letepis' zhurnal'nykh Statey, No. 29, Moskva, 1949.

14-57-7-15109

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7,  
p 148 (USSR)

AUTHOR: Prozorov, S. S.

TITLE: Measuring Worm Moth Bupalus pintarius L. in Western  
Siberian Forests (Sosnovaya pyadenitsa Bupalus  
piniarius L. v lesakh Zapadnoy Sibiri)

PERIODICAL: Tr. Sibirs. lesotekhn. in-ta, 1956, Sb 12, pp 13-84

ABSTRACT: In northwestern Siberia individual specimens of  
Bupalus piniarius L. are found as far as Surgut on the Ob' and  
Vorogovo on the Yenisey, and in southern Siberia they are  
found as far as Ust' Kamenogorsk and Minusinsk. The  
author presents a list and a cartogram of Siberian  
locations where Bupalus pintarius L. has been found.  
Mass occurrences of moths have been observed in  
the forest zone along the Ob' between 52° and 56° northern  
latitude and between 82° and 86° eastern longitude,

Card 1/2

MEL'NIKOV, I., general-mayor; PROZOROV, V., podpolkovnik.

Some problems in the field training of cadets. Voen.vest.  
36 no.8:34-41 Ag '56.

(MLRA 9:10)

(Infantry drill and tactics) (Military education)

PROZOROV, V., podpolkovnik.

Some problems related to the firing system of small arms in  
defensive operations. Voen.vest. 36 no.5:50-54 My '56.

(MIRA 9:8)

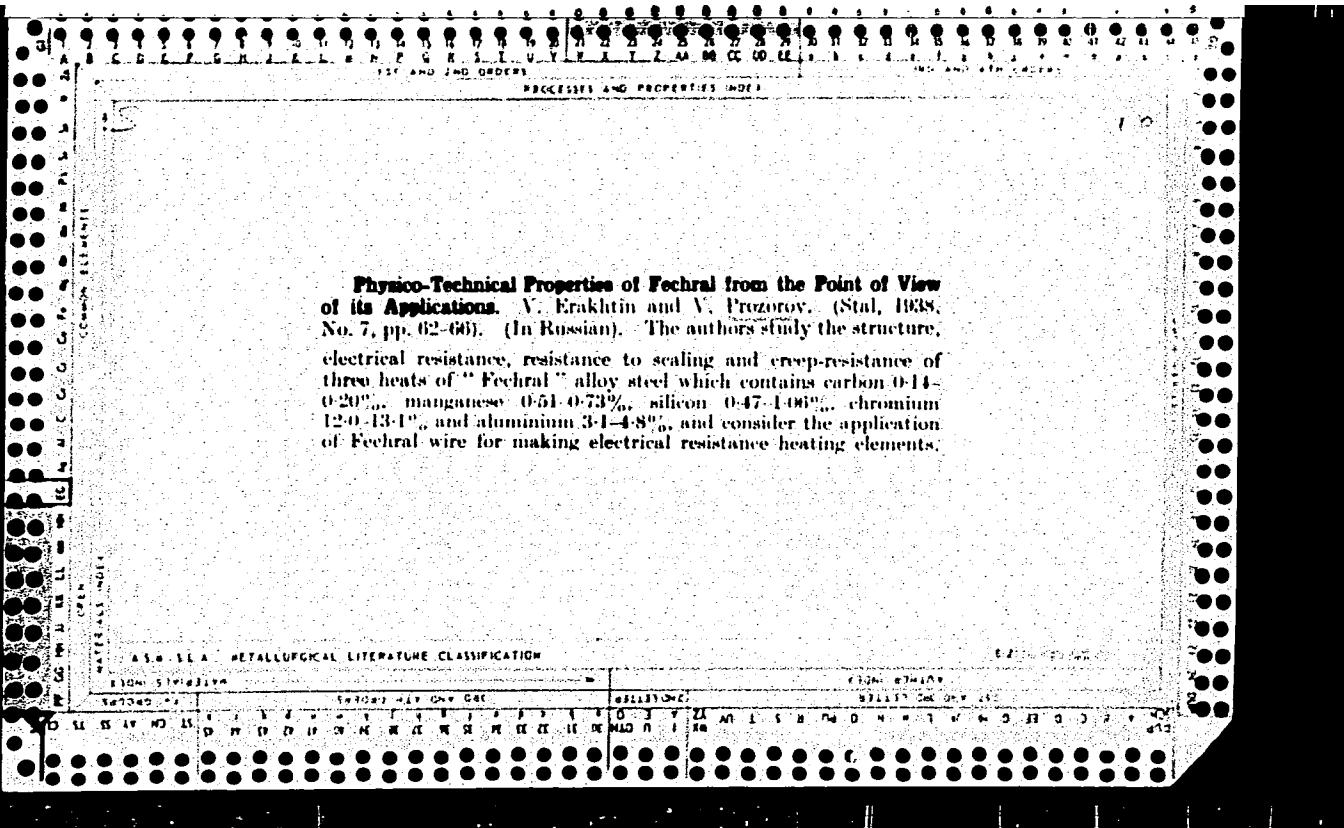
(Infantry drill and tactics)

PROZOROV, V., polkovnik; SLOBODYANYUK, A., podpolkovnik; DUBROVIN, K.,

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001343410008-7

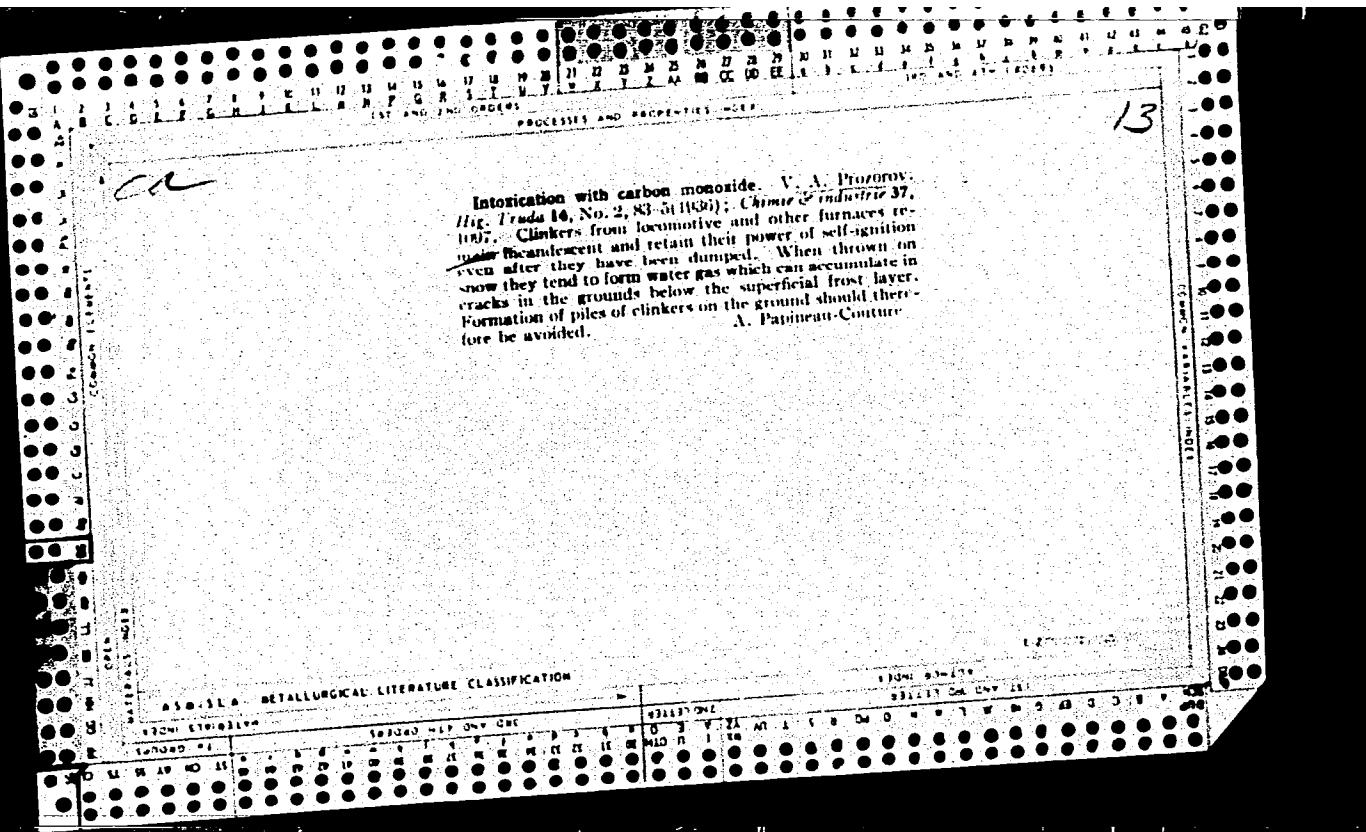
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37-39 Mr '62. (MIRA 15:4)

(Attack and defense (Military science))



Physical-technical properties of Fechral. V. Frakhtin  
and V. Protorov. *Stal* 8, No. 7, 62 (1948).—The sp.  
tely resistance of Fechral, an alloy conteg. C 0.30, Mn  
(0.80)-1.00, Si 0.2-1.0, Cr 12-15, Al 3.5-5.5% and balance  
Fe was  $1.25 \times 10^{-4}$  ohms at 20° and  $1.40 \times 10^{-4}$  ohms at  
100°. Service life of a 0.3-mm. wire exposed to air at  
100° was over 1000 hrs. H. W. Rathjens.

ASB-11-A1-METALLURICAL LITERATURE CLASSIFICATION



PHOZOROV, V.A., kand. tekhn.nauk, otv. red.; KUZ'MINA, N.O., red.  
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[Problems of electromechanics; abstracts of scientific and  
research papers] Voprosy elektromekhaniki; annotatsii na-  
uchno-issledovatel'skikh rabot. Moskva, Izd-vo AN SSSR,  
1963. 138 p. (MIRA 17:1)

1. Institut elektromekhaniki.  
(Electric engineering--Abstracts)

KOVCHIN, S.A., kand. tekhn.nauk, dots.; LUR'YE, A.B., kand. tekhn.  
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V.V., kand. tekhn. nauk, dots.; SHUSTOV, V.A., kand. tekhn.  
nauk, retsenzent; DARTAU, A.A., kand. tekhn. nauk, red.;  
ONISHCHENKO, R.N., red.izd-va; SPERANSKAYA, O.V., tekhn.  
red.

[Automation of agricultural machines and units] Avtomatiza-  
tsiya sel'skokhoziaistvennykh mashin i ustanovok. Moskva,  
Mashgiz, 1963. 358 p. (MIRA 16:8)  
(Agricultural machinery) (Automatic control)

PROZOROV, V.A.

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in an asynchronous electric drive with frequency regulation.  
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(MIRA 16:1)

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ZAKHARENKO, V.F.; KAYDANOVSKIY, N.L.; PARIYSKIY, Yu.N.; PROZOROV, V.A.

Observations of discrete radio sources at 3.2 cm. wave length  
at Pulkovo. Astron.zhur. 40 no.2:216-222 Mr-Ap '63. (MIRA 16:3)

1. Glavnaya astronomicheskaya observatoriya AN SSSR.  
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a.c. drive with a collector-type generator. Vest. elektroprom.  
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(Electric generators)

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mill. Elektrichestvo no.7:75-79 Jl. '61. (MIRA 14:9)

1. Institut elektromekhaniki AN SSSR. 2. Chlen-korrespondent  
AN SSSR (for Zavalishin).  
(Planing mills--Electric driving)

ANDREYEV, Yevgeniy Aleksandrovich [Nadshiy nauchnyy sotrudnik;  
DARTAI, Aleksandr Aleksandrovich [Nadshiv nauchnyy  
sotruumir; DARTOV, Valentin Alekseyevich kand.tehn.nauk

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(Electric driving)

PROZOROV, V.A.

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